

## **JAGUAR CARS LIMITED**

EXECUTIVE ORDER A-220-0067 New Passenger Cars, Light-Duty Trucks and Medium-Duty Vehicles

Pursuant to the authority vested in the Air Resources Board by Health and Safety Code (HSC), Div. 26, Part 5, Chap. 2; and pursuant to the authority vested in the undersigned by HSC Sections 39515 and 39516 and Executive Order G-45-9;

IT IS ORDERED AND RESOLVED: That the following exhaust and evaporative emission control systems produced by the manufacturer are certified as described below. Production vehicles shall be in all material respects the same as those for which certification is granted.

	ODEL YEAR TEST G		GROUP		VEHICLE TYPE			ISSION TEGORY	FUEL TYPE				
2002	2 2JCX	V03.0E	8 <i>N</i> C		Passenger Car	Low Er	Low Emission Vehicle (LEV)		Gasoline				
No.	EVAPORATIVE FAMILY (EVAP)		No.	SPECIAL FEATURES EMISSION CONTROL SYSTE		* = no	applicable	TWC = 3-way catalytic converter WUTWC = warm-up TWC OC = oxidation catalytic converter O2S =					
1	2JCXR014			1	2TWC, 2AFS, 2H	O2S, SFI, OBD	(F)		oxygen sensor HO2S = heated O2S AFS/HAFS = air/fuel sensor (aka. universal O2S) / heated AFS				
2	*			2		•	***		EGR = exhaust gas recirculation				
3	*			3		•			AIR = secondary air injection PAIR = pulsed AIR MFI = multiport fuel injection SFI = sequential MI				
4	*	*		4		•		TC/SC = turbo/super charger CAC = charge air cool OBD (F) / OBD (P) = on-board diagnosis; full / partial compliance (prefix) 2 = parallel (2) (suffix) = serie					
EVAI No.	P ECS No.	ENG SIZE				HICLES SUBJE							
1	1	3.0											
1	1	1 2.5											
*	*	* *						*					
*	*	•			A Control of the Cont			*					

The exhaust and evaporative emission standards (STD) and certification emission levels (CERT) for the listed vehicles are as follows. Any debit in the manufacturer's compliance plan for "NMOG Fleet Average" (passenger cars and light-duty trucks) or "Vehicle Equivalent Credit" (medium-duty vehicles) shall be equalized as required. The 50° Fahrenheit standards and CERT levels are listed below or compliance has been met based on the manufacturer's submitted compliance plan in lieu of actual testing.

	FLEET \GE [g/mi]		NMOG [g/mi] @RAF = 0.94		CH4 = methane NMOG = non-CH4 organic gas NMHC = non-CH4 hydrocarbon CO = carbon monoxide NOx = oxides of nitrogen HCHO = formaldehyde PM = particulate matter RAF = reactivity adjustment factor											
CERT	ERT STD			RAF = *	СО	NO	NOx [g/mi]			HCHO [mg/mi]		PM [g/mi]		Hwy NOx [g/mi]		
0.080	.080 0.068		CERT	STD	CERT	STD	CERT		STD	CERT	STD	CER	T S	TD	CERT	STD
K = 1000 miles	@ 5	ок	0.027	0.075	0.3	3.4	0.02		0.2	1	15	*		•	0.01	0.3
	@ 10	@ 100K		0.090	0.3	4.2	0.02		0.3	1	18	*		•	0.01	0.4
	@ 50°F, 4K		0.097	0.150	0.8	3.4	0.02		0.2	3	30	*	•	•	*	*
CO [g/mi] @ 20°F, 50K			g = gram mg = milligram		NMHC+NOx [g/mi] (composite)			NMHC+NOx [g/mi] [US06]		CO [g/mi] [US06]			NMHC+NOx [g/mi] [SC03]		CO [g/mi] [SC03]	
CERT	RT STD		∭ mi=		CERT	STD	CERT		STD	CERT	STD	CER	r s	TD	CERT	STD
2.6	10.0			@ 4K	*	*	0.12		0.14	1.7	8.0	0.02	0.	.20	1.6	2.7
F = degree	Fahrenheit		@ 100K		. *	*	*		*	*	•	*		•	*	*
@	EVAPORATIVE FAMILY 1				EVAPORATIVE FAMILY 2 EV				VAPORATIVE FAMILY 3			EVAPORATIVE FAMILY 4				
100K	3-D 2-D		RL	ORVR	3-D 2-D F		RL O	RVR	3-D	2-D	RL	ORVR	3-D	2-D	D RL	ORVE
CERT	0.9	1.1	0.00	0.02	*	*	*	•	*	*	*	*	*	*	*	*
STD	2.0 2.5		0.05	0.20	*	*	•	*	. *	*	*	*	*		*	*
2-D, 3-D [g/	test] = 2-da	y, 3-d	ay diurnal	and hot-soal	(	RL [g/mi] =	running los	s		ORVR [g/ga	illon of fue	l dispense	d] = on-b	oard refi	ueling vapo	r recovery

BE IT FURTHER RESOLVED: That for the listed vehicle models, the manufacturer has attested to compliance with Title 13, California Code of Regulations, (13 CCR) Sections 1965 (labeling), 1968.1 or 1968.1(m)(6.2) (on-board diagnostic systems; full or partial compliance), 2035 et seq. (emission control warranty), 2235 (fuel tank fill pipes and openings), and "High-Altitude Requirements" and "Inspection and Maintenance Emission Standards" (California Exhaust Emission Standards and Test Procedures for 2001 and Subsequent Model Passenger Cars, Light-Duty Trucks, and Medium-Duty Vehicles).

Vehicles certified under this Executive Order shall conform to all applicable California emission regulations. The Bureau of Automotive Repair will be notified by copy of this Executive Order

Executed at El Monte, California on this

\_ day of July 2001,

R. B. Summer feld, Chief

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Mobile Source Operations Division